

Substance Name	CASRN	In Vitro Conc. Tested	In Vivo Conc. Tested	Chemical Class	In Vivo Physical Form Tested	pH	Property of Interest	In Vivo (GHS) Classification <sup>1</sup>	GHS Category 1 Subclass <sup>2</sup>	In Vivo (EPA) Classification <sup>3</sup>	In Vivo (EU) Classification <sup>4</sup>	In Vitro Classification (IS(B)-10) <sup>5</sup>	Reference
7-Acetoxyheptanal			100%, 10%, and ITC	Aldehyde, Ester	Unknown	n.s.		Category 1	1	Category I	R41	Slight	Spielmann et al. (1996)
n-Acetyl-Methionine	1115-47-5		100%, 10%, and ITC	Amide, Amino acid	Solid	2.2		Category 1	4	SCNM	R41	Severe	Spielmann et al. (1996)
Ambuphylline	5634-34-4		100%, 10%, and ITC	Amine, Heterocycle, Alcohol	Solid	9		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
4-Amino-5-methoxy-2-methylbenzene sulfonic acid	6471-78-9		100%, 10%, and ITC	Amine, Ether, Organic sulfur compound	Unknown	1.5		Category 1	4	SCNM	SCNM	Moderate	Spielmann et al. (1996)
Ammonium persulfate	7727-54-0		100%, 10%, and ITC	Inorganic salt	Solid	1.5		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Anisole	100-66-3		100%, 10%, and ITC	Ether	Liquid	n.s.		SCNM		SCNM	SCNM	Moderate	Spielmann et al. (1996)
B 25			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Nonirritant	Spielmann et al. (1996)
n-Butanal	123-72-8		100%, 10%, and ITC	Aldehyde	Liquid	<7		Category 2B		Category III	Nonirritant	Moderate	Spielmann et al. (1996)
n-Butanol	71-36-3		100%, 10%, and ITC	Alcohol	Liquid	n.s.		Category 1	4	SCNM	SCNM	Severe	Spielmann et al. (1996)
Butyl carbamate	592-35-8		100%, 10%, and ITC	Ester	Solid	n.s.		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Caffeine sodium benzoate	8000-95-1		100%, 10%, and ITC	Heterocycle, Organic salt, Carboxylic acid salt	Solid	7		Nonirritant		Category IV	Nonirritant	Moderate	Spielmann et al. (1996)
Caffeine sodium salicylate	8002-85-5		100%, 10%, and ITC	Heterocycle, Phenol, Organic salt	Solid	7		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Camphen	79-92-5		100%, 10%, and ITC	Cyclic hydrocarbon	Solid	7		Category 2B		Category III	R36	Severe	Spielmann et al. (1996)
Cerium-2-ethylhexanoate	24593-34-8		100%, 10%, and ITC	Organic salt, Carboxylic acid salt	Unknown	3		Nonirritant		Category III	Nonirritant	Moderate	Spielmann et al. (1996)

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1-Chloroctane-8-ol			100%, 10%, and ITC	Alcohol	Unknown	n.s.		Category 1	1	Category I	R41	Moderate	Spielmann et al. (1996)
3-Cyclohexene-1-methanol	1679-51-2		100%, 10%, and ITC	Alcohol	Unknown	n.s.		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
DC 8			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Nonirritant	Spielmann et al. (1996)
1,4-Dibutoxybenzene	104-36-9		100%, 10%, and ITC	Ether	Unknown	7		Category 2B		Category III	R36	Slight	Spielmann et al. (1996)
Diepoxyd 126	2386-87-0		100%, 10%, and ITC	Heterocycle, Ester, Ether	Liquid	n.s.		SCNM		SCNM	SCNM	Moderate	Spielmann et al. (1996)
2,5-Dimethylhexanediol	110-03-2		100%, 10%, and ITC	Alcohol	Solid	n.s.		Category 1	1	Category I	R36	Severe	Spielmann et al. (1996)
3,6-Dimethyloctanol			100%, 10%, and ITC	Alcohol	Unknown	7		Category 1	1	Category I	R41	Nonirritant	Spielmann et al. (1996)
4,4-Dimethyl-3-oxo-pentanenitrile	59997-51-2		100%, 10%, and ITC	Ketone, Nitrile	Solid	n.s.		Nonirritant		Category IV	Nonirritant	Moderate	Spielmann et al. (1996)
1-(2,6-dimethylphenoxy)-2-propanone	53012-41-2		100%, 10%, and ITC	Alcohol, Ether	Liquid	5		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Diphocars			100%, 10%, and ITC	Unknown	Unknown	n.s.		Category 1	4	Category I	R41	Severe	Spielmann et al. (1996)
1,2-Dodecanediol	1119-87-5		100%, 10%, and ITC	Alcohol	Solid	n.s.		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
DTPA Pentasodium salt	140-01-2		100%, 10%, and ITC	Organic salt, Carboxylic acid salt, Amino acid	Unknown	11.5		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Ede 140			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
1,2-Epoxyoctane	286-62-4		100%, 10%, and ITC	Ether	Solid	4.5		Nonirritant		Category III	Nonirritant	Severe	Spielmann et al. (1996)

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1,2-Epoxydodecane	2855-19-8		100%, 10%, and ITC	Ether	Solid	n.s.		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Ethiosan			100%, 10%, and ITC	Unknown	Unknown	8.5		SCNM		Category III	SCNM	Slight	Spielmann et al. (1996)
Ethyl butanal	97-96-1		100%, 10%, and ITC	Aldehyde	Liquid	<7		SCNM		SCNM	SCNM	Nonirritant	Spielmann et al. (1996)
Gadopentetic acid dimeglumine salt	86050-77-3		100%, 10%, and ITC	Amine, Carboxylic acid, Organic salt	Unknown	n.s.		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Genomoll	115-96-8		100%, 10%, and ITC	Ester, Organophosphorous compound	Solid	6		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
C12/C14-Glucoside			100%, 10%, and ITC	Alcohol, Ether	Unknown	9		Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)
L-Glutamic acid hydrochloride	138-15-8		100%, 10%, and ITC	Organic salt, Carboxylic acid salt, Amino acid	Unknown	0.9		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Glycediol			100%, 10%, and ITC	Ether	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Granuform	30525-89-4		100%, 10%, and ITC	Ether	Solid	4		Category 1	4	SCNM	SCNM	Slight	Spielmann et al. (1996)
Hexahydrofarnesylacetone	502-69-2		100%, 10%, and ITC	Ketone	Unknown	n.s.		Nonirritant		Category III	Nonirritant	Slight	Spielmann et al. (1996)
Hexamethylenetetramine	100-97-0		100%, 10%, and ITC	Amine	Solid	8.5		Nonirritant		Category IV	Nonirritant	Moderate	Spielmann et al. (1996)
1,2,6-Hexanetriol	106-69-4		100%, 10%, and ITC	Alcohol	Solid	4.5		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Hnol			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Nonirritant	Spielmann et al. (1996)
Hoe MBF			100%, 10%, and ITC	Unknown	Unknown	4.3		Nonirritant		Category III	Nonirritant	Nonirritant	Spielmann et al. (1996)
Hydo 98			100%, 10%, and ITC	Unknown	Unknown	6.5		Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)

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2-Hydroxyethylimino disodiumacetate	135-37-5		100%, 10%, and ITC	Amine, Alcohol, Organic salt	Unknown	10.6		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
2-Hydroxyisobutyric acid	594-61-6		100%, 10%, and ITC	Carboxylic acid	Solid	1		Category 1	4	SCNM	R41	Severe	Spielmann et al. (1996)
Hypo 20			100%, 10%, and ITC	Unknown	Unknown	6.5		Nonirritant		Category IV	Nonirritant	Moderate	Spielmann et al. (1996)
Hypo 36			100%, 10%, and ITC	Unknown	Unknown	7		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Hypo 45			100%, 10%, and ITC	Unknown	Unknown	7		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Hypo 54			100%, 10%, and ITC	Unknown	Unknown	6.5		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Hyton			100%, 10%, and ITC	Unknown	Unknown	8.5		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Iminodiacetic acid	142-73-4		100%, 10%, and ITC	Amine, Carboxylic acid	Solid	2.3		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Isobornyl acetate	125-12-2		100%, 10%, and ITC	Ester	Solid	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Isobutanal	78-84-2		100%, 10%, and ITC	Aldehyde	Liquid	<7		Category 2B		Category III	Nonirritant	Slight	Spielmann et al. (1996)
Isodecylglicoside			100%, 10%, and ITC	Alcohol, Ether	Unknown	9		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Isononylaldehyde	35127-50-5		100%, 10%, and ITC	Aldehyde	Liquid	<7		Nonirritant		Category III	Nonirritant	Nonirritant	Spielmann et al. (1996)
alpha-Ketoglutaric acid	328-50-7		100%, 10%, and ITC	Carboxylic acid	Solid	1.75		Category 1	4	SCNM	R41	Severe	Spielmann et al. (1996)
Lactic acid	79-33-4		100%, 10%, and ITC	Carboxylic acid, Alcohol	Unknown	2		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)

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alpha-Lactid	4511-42-6		100%, 10%, and ITC	Heterocycle, Lactone	Solid	3		SCNM		Category III	SCNM	Severe	Spielmann et al. (1996)
L-Lysine Monohydrate	39665-12-8		100%, 10%, and ITC	Amino acid	Solid	10		SCNM		Category III	SCNM	Severe	Spielmann et al. (1996)
Mecre			100%, 10%, and ITC	Unknown	Unknown	7		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
3-Mercapto-1,2,4-triazole	3179-31-5		100%, 10%, and ITC	Heterocycle, Organic sulfur compound, Alcohol	Solid	4		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
m-Methoxybenzaldehyde	591-31-1		100%, 10%, and ITC	Aldehyde, Ether	Solid	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Methyl acetate	79-20-9		100%, 10%, and ITC	Ester	Liquid	7		Category 2B		Category III	R36	Slight	Spielmann et al. (1996)
Methylpentynol	77-75-8		100%, 10%, and ITC	Alcohol	Liquid	n.s.		Category 1	4	Category I	R41	Severe	Spielmann et al. (1996)
N-(2-methylphenyl)-Imidodarbonimidic diamide	93-69-6		100%, 10%, and ITC	Amidine	Solid	11.5		Category 1	4	SCNM	SCNM	Severe	Spielmann et al. (1996)
2-Methyl-1-propanol	78-83-1		100%, 10%, and ITC	Alcohol	Liquid	3		Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)
Methyltriglycol	112-35-6		100%, 10%, and ITC	Alcohol, Ether	Liquid	7		Nonirritant		Category III	Nonirritant	Severe	Spielmann et al. (1996)
Methyltriglycol	112-35-6		100%, 10%, and ITC	Alcohol, Ether	Liquid	7		Nonirritant		Category III	Nonirritant	Severe	Spielmann et al. (1996)
Napt			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Nitro-bis-octylamide			100%, 10%, and ITC	Alcohol, Ether	Unknown	n.s.		Nonirritant		Category III	Nonirritant	Slight	Spielmann et al. (1996)
Olak			100%, 10%, and ITC	Unknown	Unknown	8.3		Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)

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Ölesulf			100%, 10%, and ITC	Unknown	Unknown	8		Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)
Phenylephrine hydrochloride	61-76-7		100%, 10%, and ITC	Phenol, Alcohol, Organic salt	Solid	7		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Phenylthiourea	103-85-5		100%, 10%, and ITC	Organic sulfur compound, Urea	Solid	5.5		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Phosphonat A			100%, 10%, and ITC	Unknown	Unknown	2.1		Nonirritant		Category III	Nonirritant	Moderate	Spielmann et al. (1996)
Piperazine	18833-13-1		100%, 10%, and ITC	Heterocycle	Solid	5		Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
PO 2			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Polyethylene glycol butyl ether	9004-77-7		100%, 10%, and ITC	Ether	Liquid	6		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Polyethylene glycol dimethyl ether	24991-55-7		100%, 10%, and ITC	Ether	Unknown	7		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Polyethylene glycol	25322-68-3		100%, 10%, and ITC	Alcohol, Ether	Unknown	n.s.		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Polyhexamethylene guanidine			100%, 10%, and ITC	Amidine	Unknown	7.1		Category 1	4	Category I	R41	Severe	Spielmann et al. (1996)
Polysolan	7397-62-8		100%, 10%, and ITC	Alcohol, Ester	Liquid	7		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Potassium cyanate	590-28-3		100%, 10%, and ITC	Inorganic salt	Solid	10		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Potassium hexacyanoferrate II	14459-95-1		100%, 10%, and ITC	Carboxylic acid	Solid	9.5		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Potassium hexacyanoferrate III	13756-66-2		100%, 10%, and ITC	Carboxylic acid	Solid	8		SCNM		SCNM	SCNM	Moderate	Spielmann et al. (1996)

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2-Pseudojonon			100%, 10%, and ITC	Unknown	Unknown	n.s.		Category 2B		Category III	Nonirritant	Moderate	Spielmann et al. (1996)
RK Blau			100%, 10%, and ITC	Unknown	Unknown	2.6		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Rubinrot Y			100%, 10%, and ITC	Unknown	Unknown			SCNM		Category IV	SCNM	Slight	Spielmann et al. (1996)
Sacyclo			100%, 10%, and ITC	Unknown	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Slight	Spielmann et al. (1996)
Sept			100%, 10%, and ITC	Unknown	Unknown	3		Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)
Silan 103	1067-25-0		100%, 10%, and ITC	Organosilicon compound	Liquid	n.s.		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Silan 108	3069-40-7		100%, 10%, and ITC	Organosilicon compound	Liquid	n.s.		Nonirritant		Category III	Nonirritant	Moderate	Spielmann et al. (1996)
Silan 165	29055-11-6		100%, 10%, and ITC	Organosilicon compound	Unknown	n.s.		Nonirritant		Category IV	Nonirritant	Nonirritant	Spielmann et al. (1996)
Silan 167	41453-78-5		100%, 10%, and ITC	Organosilicon compound, Organic sulfur compound	Unknown	n.s.		SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Silan 253	18784-74-2		100%, 10%, and ITC	Organosilicon compound	Unknown	<7		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Sodium bisulfite	7631-90-5		100%, 10%, and ITC	Inorganic acid, Inorganic salt	Solid	4.5		Nonirritant		Category III	Nonirritant	Severe	Spielmann et al. (1996)
Sodium sulfite	7757-83-7		100%, 10%, and ITC	Inorganic salt	Solid	10		SCNM		Category III	SCNM	Severe	Spielmann et al. (1996)
Sodium cyanate	917-61-3		100%, 10%, and ITC	Inorganic salt	Solid	10		SCNM		Category III	SCNM	Severe	Spielmann et al. (1996)
Sodium disilicate	13870-28-5		100%, 10%, and ITC	Inorganic salt	Solid	11.4		Category 1	4	SCNM	SCNM	Severe	Spielmann et al. (1996)

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Sodium hydrogen sulfate	7681-38-1		100%, 10%, and ITC	Inorganic salt	Solid	1.1		Category 1	4	SCNM	SCNM	Severe	Spielmann et al. (1996)
Sodium lauryl ether sulfate	3088-31-1		100%, 10%, and ITC	Organic salt, Ester, Ether	Unknown	8		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
Sodium monochloroacetate	3926-62-3		100%, 10%, and ITC	Organic salt, Carboxylic acid salt	Solid	4.5		Category 2B		Category III	R36	Moderate	Spielmann et al. (1996)
Sodium pyrosulfite	7681-57-4		100%, 10%, and ITC	Inorganic salt	Solid	4.6		SCNM		SCNM	SCNM	Severe	Spielmann et al. (1996)
4-((2-sulfatoethyl)sulfonyl)-aniline	2494-89-5		100%, 10%, and ITC	Amine, Organic sulfur compound, Ether	Unknown	7		Category 1	4	SCNM	R41	Severe	Spielmann et al. (1996)
Surfactant Based Formulation 1-HZA		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 2-HZB		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 3-HZC		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 4-HZD		10%	Undiluted	Formulation	Solution			Category 2B		Category III	Nonirritant	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 5-HZE		10%	Undiluted	Formulation	Solution			SCNM		Category I	SCNM	Severe	Gettings et al. (1996)
Surfactant Based Formulation 6-HZF		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 7-HZG		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 8-HZH		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 9-HZI		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 10-HZJ		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Moderate	Gettings et al. (1996)

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Surfactant Based Formulation 11-HZK		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 12-HZL		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 13-HZM		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Slight	Gettings et al. (1996)
Surfactant Based Formulation 14-HZN		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 15-HZP		10%	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 16-HZQ		10%	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 17-HZR		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 18-HZS		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 19-HZT		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 20-HZU		10%	Undiluted	Formulation	Solution			Category 2B		Category III	R36	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 21-HZV		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 22-HZW		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 23-HZX		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 24-HZY		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)

Substance Name	CASRN	In Vitro Conc. Tested	In Vivo Conc. Tested	Chemical Class	In Vivo Physical Form Tested	pH	Property of Interest	In Vivo (GHS) Classification <sup>1</sup>	GHS Category 1 Subclass <sup>2</sup>	In Vivo (EPA) Classification <sup>3</sup>	In Vivo (EU) Classification <sup>4</sup>	In Vitro Classification (IS(B)-10) <sup>5</sup>	Reference
Surfactant Based Formulation 25-HZZ		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1996)
TA 01946 Alkylsilan		100%, 10%, and ITC	Unknown	Unknown	n.s.			Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Theophylline sodium acetate	8002-89-9	100%, 10%, and ITC	Heterocycle, Organic salt, Carboxylic acid salt	Unknown	11			Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)
Toclà		100%, 10%, and ITC	Unknown	Unknown	6			Category 1	1	Category I	R41	Severe	Spielmann et al. (1996)
Triisooctylamine	25549-16-0	100%, 10%, and ITC	Amine	Solid	7			Nonirritant		Category IV	Nonirritant	Nonirritant	Spielmann et al. (1996)
2,2,3-Trimethyl-3-Cyclopentene-1-acetaldehyde	4501-58-0	100%, 10%, and ITC	Aldehyde	Solid	2.3			SCNM		SCNM	SCNM	Slight	Spielmann et al. (1996)
Trioxane	110-88-3	100%, 10%, and ITC	Heterocycle, Ether	Solid	n.s.			Nonirritant		Category III	Nonirritant	Severe	Spielmann et al. (1996)
Wessalith Slurry		100%, 10%, and ITC	Unknown	Unknown	11			Category 2A		Category II	Nonirritant	Severe	Spielmann et al. (1996)
Xanthinol nicotinate	437-74-1	100%, 10%, and ITC	Amine, Heterocycle, Alcohol	Solid	6			Nonirritant		Category IV	Nonirritant	Severe	Spielmann et al. (1996)

Abbreviations: CASRN = Chemical Abstracts Service Registry Number; Conc. = Concentration; EPA = U.S. Environmental Protection Agency; EU = European Union; GHS = Globally Harmonized System; n.s. = not specified, SCNM - Study Criteria Not Met.

<sup>1</sup>Eye Irritant Category 1 = irreversible effects on the eye/serious damage to the eye; Category 2A = reversible effects on the eye/irritating to the eyes; Category 2B = reversible effects on the eye/mildly irritating to the eyes; Nonirritant = not an eye irritant

<sup>2</sup>NICEATM-defined subgroups assigned based on the lesions that drove classification of a GHS Category 1 substance. 1: based on lesions that are persistent; 2: based on lesions that are severe (not including corneal opacity score equal to 4); 3: based on lesions that are severe (not including corneal opacity score equal to 4) and persistent; 4: corneal opacity score equal to 4 at any time; NC: No subclassification could be made based on the data.

<sup>3</sup>Toxicity Category I for the Primary Eye Irritation Study = Corrosive, or corneal involvement or irritation not reversible within 21 days; Category II = Corneal involvement or irritation clearing in 8-21 days; Category III = Corneal involvement or irritation clearing in 7 days or less; Category IV = Minimal effects clearing within 24 hr.

<sup>4</sup>Risk phrase R41 = risk of serious damage to the eyes; R36 = irritating to the eyes; nonirritant = not an eye irritant.

<sup>5</sup>IS(B)-10 represents irritation scores that were calculated using the method described in Kalweit et al. (1987) where the *in vitro* evaluation was conducted with a 10% concentration of the test substance and the *in vivo* evaluation was conducted with a 100% concentration of the test substances; classification scheme used as described in Leupke (1985).